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APPLICATION 1	۷٥.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,356		07/04/2002	Chuen Huei Yang	NAUP0473USA	9624
27765	. 759	0 03/26/2004		EXAMINER	
NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE)			SIEK, VUTHE		
	P.O. BOX 506 MERRIFIELD, VA 22116			ART UNIT	PAPER NUMBER
	·· <del>··</del> ·········			2825	
				DATE MAILED: 03/26/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)					
		10/064,356	YANG ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Vuthe Siek	2825					
Period fo	The MAILING DATE of this communication ap	pears on the cover sheet with the c	orrespondence address					
A SH THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. It period for reply specified above is less than thirty (30) days, a replay of the property of the proper	136(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status								
1)	Responsive to communication(s) filed on 20 .	lanuary 2004						
2a)□	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.							
3)	/ <del></del>							
٠,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠ 7)□	Claim(s) 1-9 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  Claim(s) is/are allowed.  Claim(s) 1-9 is/are rejected.  Claim(s) is/are objected to.							
8)	Claim(s) are subject to restriction and/	or election requirement.						
Applicati	on Papers							
9)☐ The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.					
Priority (	ınder 35 U.S.C. § 119							
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureasee the attached detailed Office action for a list	ts have been received.  ts have been received in Applicationity documents have been received in the control of	on No ed in this National Stage					
Attachmen		_						
2) D Notic 3) Infor	e of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:						

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#### **DETAILED ACTION**

1. This office action is in response to application 10/064,356 and response filed on 1/20/2004. Claims 1-9 remain pending in the application.

### Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being obvious over applicant's admitted prior art (Figs. 1-2) in view of Ikenaga et al. (4,878,177).
- 4. As to claims 1, 4 and 7, Figs. 1-2 teach partitioning or dividing a semiconductor integrated circuit pattern, where the pattern comprising cells with same shape and a polygon planar positioned between each cell and polygonal planar comprising two parallel horizontal edges and a plurality of vertexes. The prior art Figs. 1-2 describes partitioning utilizing horizontal division and vertical divisions crossing vertexes. Ikenaga et al. teach dividing or partitioning a polygonal planar using two horizontal and vertical division lines passing each vertex of the polygonal planar in two steps process, thereby a number of unit figures is optimal (referred to as minimum) (Figs. 1B, shown polygonal planar item 6; Fig. 3H shown result of dividing process providing optimal number of unit figures) (col. 3-7). Therefore, utilizing the above teachings of Ikenaga et al., it would have obvious to one of ordinary skill in the art at the time the invention was made to

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dividing a polygonal planar by utilizing a horizontal division and vertical line when meeting a vertex providing unit figures being arranged sequentially and horizontally as claimed because this single process would reduce dividing time although it would obtain the same result (optimal number of unit figures).

5. As to claims 2-3, 5-6 and 8-9, Ikenaga et al. teach the unit figures comprising a triangle, rectangle, trapezoid and parallelogram (Fig. 3H, 5); where the method of dividing is used to convert circuit pattern data into input graphic data of a writer, so the writer can use the input graphic data for drawing the circuit pattern on a photo mask or a substrate (col. 3-7).

#### Remarks

6. The applicant's remarks are persuasive. The new ground of rejection is provided with newly found reference. The teachings of new reference are found the claims obvious.

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## Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vuthe Siek whose telephone number is (571) 272-1906. The examiner can normally be reached on M-F (6:30-4:00) 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on (571) 272-1907. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

Vuthe Siek March 17, 2004

VUTHE SIEK PRIMARY EXAMINER